

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SUBJECT: Hurricane Protection Language and Test Wells for
McGinnes Industrial Maintenance TX0004910

DATE: September 10, 1975

FROM: Jim Rasmussen, 6AEE JER

TO: Ralph Corley, 6AEL

THRU: Jim Stiebing, 6AEE
John Fairall, 6AEE

Below, you will find my proposed language for Part III in the McGinnes permit concerning Hurricane protection, and a proposed Compliance Schedule.

I have talked to Buck Steingraber from the TWQB concerning the dikes at McGinnes and he informed me that the dikes are now 12 1/2 feet to 14 1/2 feet high. This would meet the requirements for dike height but proof that destruction from the storm waves will be provided for will probably require an engineering study and possible construction, hence the compliance schedule.

Mr. Steingraber mentioned that TWQB is requiring McGinnes to put in and monitor 5 test wells. I requested him to send us the requirements for the test wells for our records and thought that such language might be indicative to Part III of our permit because of the nature of the industry (solid waste) and the safeguards these wells would provide to the groundwater.

I would appreciate any comments you have on the following language:

Existing dikes shall conform to the 50-year Hurricane Surge Frequency Criteria: Dikes shall be 12.5 feet above mean sea and preventive measures against over-topping from the accompanying storm waves, by 7-1-77.

Permittee shall provide protection against the 100-year Hurricane Surge Frequency, for all future dike construction. The Criteria for the 100-year Hurricane Surge Frequency is as follows: Dikes shall be 14 feet above mean sea level and preventive measures against over-topping from the accompanying storm waves.

Compliance Schedule

Report of Progress on Study for Hurricane Protection for the existing and future dikes at McGinnes	1-1-76
Report on Completion of Study	6-1-76
Report on Construction	12-1-76
Report on Completion of Construction	6-1-77